Hydrologic Model Manager

Short Name	RSHM
Long Name	Regional Scale Hydroclimate Model
Description	
Model Type	Physically based distributed regional hydroclimate nested model
Model Objectives	To study the climate change impacts
Agency _Office	Department of Civil and Environmental Engineering, University of California, Davis, California, U. S. A.
Tech Contact	Professor M. L. Kavvas
Model Structure	It is a nested model in that it connects two different scales by embedding a smaller scale model in a larger scale model. It takes into account interactions between atmosphere and land surface processes.
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	9
Spatial Scale	20 km
Temporal Scale	From a day to a year
Input Requirements	Atmospheric and land surface data
Computer Requirements	Large computer
Model Output	Precipitation, evapotranspiration, and temperature
Parameter Estimatn Model Calibrtn	Parameters are estimated form physical measurements.
Model Testing Verification	Limited amount of verification has been undertaken on Japan islands
Model Sensitivity	Not reported
Model Reliabiity	Not reported
Model Application	Japan islands
Documentation	Not available in public domain but it can be obtained from Professor M. L. Kavvas
Other Comments	The model represents a promising tool fro large scale water resource assessment. References: Kavvas, M. L., Chen, Z.-Q., Tan, L., Soong, S. T., Terakava, A., Yoshitani, J., and Fukami. K., 1998. A regional scale land surface parameterization based on areally-averaged hydrological conservation equation. Hydrological Sciences Journal, Vol. 43, No. 4, pp. 611-631.
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Developer	
Technical Contact	
Contact Organization	